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IETF/PILC

Performance Enhancing Proxies

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Current Content

- ◆ **Types of PEPs**
- ◆ **Implications of Using PEPs**
- ◆ **PEP Environment Examples**
- ◆ **PEP Terminology Summary**

Types of PEPs

- ◆ **Transport layer PEPs - Application layer PEPs**
- ◆ **Integrated PEP - Distributed PEP**
 - single proxy vs. multiple proxies
- ◆ **Split Connection TCP**
- ◆ **Transparency**
 - with respect to end system, application, user
- ◆ **Tunnelling**
- ◆ **ACK Handling**
- ◆ **Compression**
- ◆ **Periods of Disconnections**
- ◆ **Other: link local priority for each flow, ...**

Implications of Using PEPs

- ◆ **End-to-end IP security**
- ◆ **Fate Sharing**
- ◆ **End-to-end ACKs**
- ◆ **Other (text still missing)**
 - **end-to-end failure diagnostics**
 - **handoffs with proxies**

- o t h e r m i s s i n g s t u f f

PEP Environment Examples

- ◆ VSAT
- ◆ W-WAN (terrestrial)
- ◆ W-LAN
- ◆ Other examples (?)

To Do

- ◆ **Add more details on various mechanisms (?)**
- ◆ **Add more implications**
- ◆ **Add missing text for implications and examples**
- ◆ **Add more examples (?)**